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MPsrch\_pp protein - protein database search, using Smith-Waterman algorithm

Tabular output not generated. Run on: Sat May 13 10:28:20 2000; MasPar time 4.63 Seconds 337.619 Million cell updates/sec

Title: >US-09-331-631-5 (145-210) from US09331631.pep (3 of 4) 514

Description: Perfect Score: Sequence: 1 KRDPQQREYEDCRRHCEQQE......PQRGGSGRYEEGEEKQSDNP 66

Scoring table: PAM 150 Gap 11

188963 seqs, 23686106 residues

Post-processing: Minimum Match 0% Listing first 45 summaries

Datahase: a-geneseq35 1:geneseqp

Statistics: Mean 25.287; Variance 98.331; scale 0.257

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed and is derived by analysis of the total score distribution.

## SUMMARIES

23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	σ	5	4	w	2	<b>1</b>	Result
77	77	77	77	78	78	78	78	79	.79	82	82.	82	84	84	88	120	141	162	162	452	481	514	Score
15.0	15.0	15.0	15.0	15.2	15.2	15.2	15.2	15.4	15.4	16.0	16.0	16.0	16.3	16.3	17.1	23.3	27.4	31.5	31.5	87.9	93.6	100.0	Query Match
2289	395	86	86	376	376	303	271	126	112	919	919	918	. 593	388	919	637	590	566	525	666.	666	625	Length
-	ب	1	_	ш	Н	_	μ.	۳	ب	<u>سر</u>	_	H	۳	r	_	۲	۲	-	۳	Н	<b>-</b>	سِ	DB.
W14987	W03474	W95073	W95078	R21662	R05137	R60054	W40308	Y04861	Y04866	P93109	W14783	R12223	W62835	Y04998	P90996	W62837	W62832	R20181	W62831	W62828	W62829	W62830	ID
Protein derived from r	C	GST-HD fusion protein	usic	of,	Sequence of protein H.	Dirofilaria immitis pa	Parapox virus F9L prot	Mycobacterium species	Mycobacterium species	Human androgen recepto	Androgen receptor.	Human androgen recepto	Zea mays antimicrobial	Mycobacterium species	Human androgen recepto	Hordeum vulgare antimi		Sequence encoded by 67	Theobroma cacao antimi	Macadamia integrifolia	Macadamia integrifolia	Macadamia integrifolia	Description
3.04e+01	3.04e+01	3.04e+01	3.04e+01	2.51e+01	2.51e+01	2.51e+01	2.51e+01	2.07e+01	2.07e+01	1.16e+01 ·	1.16e+01	1.16e+01	7.88e+00	7.88e+00	3.59e+00	4.91e-03	5.22e-05	4.96e-07	4.96e-07	5e-	4.25e-40	1.26e-43	Pred. No.

RESULT
ID W6
AC W6
DT 27
DE Ma
KW an

LT 2
W62829;
W62829;
27-OCT-1998 (first entry)
Macadamia integrifolia antimicrobial protein.
Antimicrobial protein; infestation; control.

45	44	43	42	41	40	39	38	37	36	ა 5	34	<b>ω</b>	32	<u>ω</u>	30	29	28	27	26	25	24
71	71	72	72	72	72	72	72	72	73	73	73	74	75	75	75	75	75	75	75	75	76
13.8	13.8	14.0	14.0	14.0	14.0	14.0	14.0		14.2		14.2	14.4	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.8
807	205	1829	971	489	409	263	33	28	524	444	35	371	3248	2482	2482	816	669	537	425	400	662
Н	$\vdash$	Н	H	ب	ш	1		_	Н	_	1	_	_	سر	_	μ-	-ب	μ	<u> </u>	μ	Н
Y04264	W78191	Y07242	W48896	W90341	W90342	R80533	W62836	W62841	W90339	W90340	R21079	W73369	R99795	R72826	W23996	R71111	W37483	R75188	R13792	W17831	R83304
Rat vascular smooth mu	Human secreted protein	Actin-filament binding	Candida albicans CaCLA	G. max SBP2 protein.	G. max truncated SBP2	Moloney murine leukemi	Zea mays antimicrobial	Stenocarpus sinuatus a	G. max SBP1 protein.	G. max truncated SBP1	Antimicrobial maize pe	Epitope tagged TBP pro	Kinetochore protein CE	Human mitosin.	Human mitosin amino ac	Spinocerebellar ataxia	Mouse liver cancer-ori	Osteoinductive retrovi	E75B exon B1 polypepti	Human mevalonate pyrop	Canine distemper virus
9.35e+01	9.35e+01	7.77e+01	7.77e+01	7.77e+01	7.77e+01	7.77e+01	7.77e+01	7.77e+01	6.45e+01	6.45e+01	6.45e+01	5.35e+01	4.43e+01	4.43e+01	4.43e+01	4.43e+01	4.43e+01	4.43e+01	4.43e+0]	4.43e+01	3.67e+01

## ALIGNMENTS

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RESULT
ID W6
AC W6
Qy
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Best Local Similarity 100.0%;
Matches 66; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Novel anti-microbial protein from e.g. Macadamia integrifolia useful for controlling microbial infestations of plants or mammals Claim 1; Page 43-45; 96pp; English.

The sequence is that of an antimicrobial protein which can be used to control microbial infestations in plants and mammalian animals.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       W09827805-A1.
02-JUL-1998.
22-DEC-1997; AU0874.
20-DEC-1996; AU-004275.
(RETR-) COOP RES CENT TROPICAL PLANT PATHOLOGY.
BOWER NI, Goulter KC, Green JL, Manners JM, Marcus JP;
WPI; 98-377279/32.
N-PSDB; V42316.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        W62830 standard; Protein; 625 AA.
W62830;
W62830;
27-OCT-1998 (first entry)
Macadamia integrifolia antimicrobial protein.
antimicrobial protein; infestation; control.
Macadamia integrifolia.
Macadamia integrifolia.
Key
Location/Qualifiers
Reptide
1.28
Peptide
1.28
Title 1.28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence
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                                                                                                                                                                                                                                                                                                                                145 KRDPQQREYEDCRRHCEQQEPRLQYQCQRRCQEQQRQHGRGGDLMNPQRGGSGRYEEGEE 204
205 KQSDNP 210
                                                                                                                        205 KQSDNP 210
                                                                                                                                                                                                                                                       145 KRDPQQREYEDCRRHCEQQEPRLQYQCQRRCQEQQRQHGRGGDLMNPQRGGSGRYEEGEE 204
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         625 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1. .28
/note= "signal peptide"
29. .666
/note= "mature protein"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 514; DB 1; Length 625; Pred. No. 1.26e-43; 0; Mismatches 0; Indels
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                                                                                           Query Match
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Best Local Similarity
                                                                                                                                     Novel anti-microbial protein from e.g. Macadamia integrifolia useful for controlling microbial infestations of plants or mar Claim 1; Page 34-36; 96pp; English.

The sequence is that of an antimicrobial protein which can be used to control microbial infestations in plants and mamma.
                                                                                                                                                                                                     22-DEC-1997; AU0874.
20-DEC-1996; AU-004275.
20-DEC-1996; AU-004275.
(RETR-) COOP RES CENT TROPICAL PLANT PATHOLOGY.
BOWER NI, Goulter KC, Green JL, Manners JM, Marcus JP;
WPI; 98-377279/32.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Novel anti-microbial protein from e.g. Macadamia integrifolia useful for controlling microbial infestations of plants or mam Claim 1; Page 39-41; 96pp; English.

The sequence is that of an antimicrobial protein which can
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (RETR-) COOP RES CENT TROPIC BOWER NI, Goulter KC, Green WPI; 98-377279/32.
                                                                                                                  Sequence
                                                                                                                             animals
                                                                                                                                                                                                  N-PSDB; V42310.
                                                                                                                                                                                                                                                                                WO9827805-A1.
                                                                                                                                                                                                                                                                                                                                                              Macadamia integrifolia antimicrobial antimicrobial protein; infestation; c
                                                                                                                                                                                                                                                                                                                                                                                                 W62828;
                                                                                                                                                                                                                                                                                                        Protein
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                                                                                                                                                                                                                                                                                                                                          Key
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          animals.
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20-DEC-1996;
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 246
                      145
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                                                                                Local
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                                            KRDPQQREYEDCRRRCEQQEPRQQHQCQLRCREQQRQHGRGGDMMNPQRGGSGRYEEGEE 245
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 KRDPQQREYEDCRRRCEQQEPRQQYQCQRRCREQQRQHGRGGGLINPQRGGSGRYEEGEE 245
                                                                                                                                                                                                                                                                                                                                                                                                                                                         KOSDNP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   KRDPQQREYEDCRRHCEQQEPRLQYQCQRRCQEQQRQHGRGGDLMNPQRGGSGRYEEGEE 204
                                                                   Similarity
59; Conser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 62;
                                                                                                                                                                                                                                                                                                                                                    integrifolia.
                                                                                                                  666 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              666 AA;
 251
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              251
                                                                  87.98;
larity 89.48;
Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AU0874.
AU-004275.
                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
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29. .666
                                                                                                                                                                                                                                                                                            /note=
                                                                                                                                                                                                                                                                                                                 /note= "signal peptide"
                                                                                                                                                                                                                                                                                                                                        Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                           Protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /note-
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            93.6%;
93.9%;
                                                                                                                                                                                                                                                                                                       . 666
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Green JL, Manners JM, Marcus
                                                                                                                                                                                                                                                                                          "mature protein"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "mature protein"
                                                                                                                                                                                                                                                                                                                                                                                                             666
                                                                   Score
Pred.
3; M
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 481; DB 1;
Pred. No. 4.25e-40;
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                                                                    Mismatches
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                                                                              452;
No. 5.
                                                                                                                                                                                                                                                                                                                                                               control.
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                                                              DB 1,
5.25e-37;
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                                                                                        Length
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                                                                                                                                       mammalian
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                                                              Gaps
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RESULT RE
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Best Local S
Matches 2
                        Query Match
Best Local
  Matches
                                                                                                                                        Claim 4; Fig 2; 59pp; English.

The inventors claim a 67 kD and 31 kD T. cacao protein, and fragments, and encoding DNAs. The 47 kD and 31 kD proteins are derived from the 67 kD precursor. T. cacao protein cDNA was detected in a cDNA library prepared from inmature cocoa beans RNA using a probe based on the AA sequence of a CNBF peptide common to the 47 kD and 31 kD polypeptides. Homology searches revealed close homologies between the 67 kD polypeptide and the vicilins, which are
                                                                                                                                                                                                                                                                                                                                                                                   N-PSDB; Q20377.

Recombinant cocoa proteins - are responsible for flavour in cocoa beans and produced in large quantities using yeast and bacterial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (MRSC) MARS UK LTD.
Spencer ME, Hodge R, Deakin
WPI: 92-024418/03.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Novel anti-microbial protein from e.g. Macadamia integruseful for controlling microbial infestations of plants Claim 1; Page 47-49; 96pp; English.

The sequence is that of an antimicrobial protein which be used to control microbial infestations in plants and
                                                                                                   Sequence
                                                                                                                             seed storage proteins.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               07-JUN-1991; G00914.
11-JUN-1990; GB-0130
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WO9119801-A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Theobroma cacao.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Cocoa;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    16-APR-1992 (first entry)
Sequence encoded by 67 kD T.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  R20181
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                                                                                                                                                                                                                                                                                                                                                                 expression
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20-DEC-1996; AU-004275.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     150 QREYEDCRRHC-EQQE-PRLQYQCQRRCQEQQRQHGRGGDLMNPQRGGSGRYEEGEEKQS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        141 NNP 143
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  standard; Protein;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            flavour; vicilin; seed
     Similarity 27; Conser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Similarity 27; Conser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 OOP RES CENT TROPICAL PLANT PATHOLOGY Goulter KC, Green JL, Manners JM, Mai
                                                                                                                                                                                                                                                                                                                                                                 vectors
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              525 AA;
31.5%;
larity 42.9%;
Conservative
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larity 42.9%;
Conservative
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                                                                                                        ΑĄ;
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Score 162; I
Pred. No. 4.9
13; Mismatcl
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Pred. No. 4.
13; Mismatc
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d storage protein.
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     Mismatches
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DB 1; Le
.96e-07;
.ches 20;
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.96e-07;
                                                  Length 566
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Best Local
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Best Local (
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P90996 standard;
P90996;
28-FEB-1990 (fir
                                                                                                                                                                                                                                                                                               Novel anti-microbial protein from e.g. Macadamia integrifol useful for controlling microbial infestations of plants or Claim 1; Page 60-62; 96pp; English.

The sequence is that of an antimicrobial protein which can be used to control microbial infestations in plants and man
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               02-JUL-1998.
22-DEC-1997; AU0874.
20-DEC-1996; AU-004275.
(RETR-) COOP RES CENT TRODICAL PLANT PATHOLOGY.
BOWER NI, Goulter KC, Green JL, Manners JM, Mar
WPI; 98-377279/32.
                                                                                                                                                                                                                                                                                                                                                                                               02-JUL-1998.
22-DEC-1997; AU0874.
22-DEC-1996; AU-004275.
20-DEC-1996; AU-004275.
(RETR-) COOP RES CENT TROPICAL PLANT PATHOLOGY.
Bower NI, Goulter KC, Green JL, Manners JM, Marcus JP;
WPI; 98-377279/32.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Novel anti-microbial protein from e.g. Macadamia integrifolia - useful for controlling microbial infestations of plants or mamma claim 1; Page 49-51; 96pp; English.

The sequence is that of an antimicrobial protein which can
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    antimicrobial protein; infestation; control. Gossypium hirsutum. W09827805-Al.
                                                                                                                                                                                                                                                                  Sequence
                                                                                                                                                                                                                                                                                     animals.
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WO9827805-Al.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              antimicrobial protein; infestation; control
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             be used to control microbial infestations
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                                                                                                               154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   147 DPQQREYEDCRRHCEQQEPRLQYQCQRRC 175
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 141
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              208
                                                                                                                                                42 QQCVQRCRQERPRYSHARCVQECRDDQQQHGRHEQEEEQGRG-RGWHGEGE-REEEH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            82
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                                                                                                             EDCRRHCEQQEPRL-QYQCQRRCQEQQRQHGRGGDLMNPQRGGSGRYEEGEEKQSDN
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                                                                                                                                                                                         Similarity
18; Conse
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                                                                                                                                                                                       23.3%;
larity 31.6%;
Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (first entry)
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llarity 62.1%;
Conservative
 (first entry)
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                                                                                                                                                                                                                                                                    AA;
                                     protein; 919
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                                                                                                                                                                                       Score 120;
Pred. No. 4.
19; Mismatc
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Pred. No. 5.22e-05;
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                                                                                                                                                                                         Mismatches
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                                                                                                                                                                                     DB 1; Le .. 91e-03; ches 17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             in plants and mammalian
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RESULT
   Best Local Similarity Matches 13; Conse
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Best Local Similarity
Matches 18; Conser
                                    Query Match
                                                                 N-PSDB; X34249.

Nycobacterial DNA vectors containing reporter constructs - for identifying coding or promoter sequences involved in infection-associated protein expression

Claim 32; Fig 50B; 309pp; French.

Sequences vo4742-vo5000 and vo7201-v07204 represent secreted proteins from various Mycobacterium species microorganisms. The encoding nucleotide sequences can be used as primers and probes for methods for detecting and identifying mycobacteria, especially belonging to the M. tuberculosis complex. The encoded proteins can be used in vaccines for immunisation against a bacterial or viral infection.

Sequence 388 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             05-OCT-1989;
24-MAR-1989;
30-MAR-1988;
                                                                                                                                                                                                                                                                                  Guigueno A;
WPI; 99-181045/15.
                                                                                                                                                                                                                                                                                                                    (INSP ) INST
Gicquel B, L:
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Secreted protein; Mycobacterium; hybridisation; detection; vaccino
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Y04998 standard; Protein; Y04998; 06-JUL-1999 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI;
                                                                                                                                                                                                                                                                                                                                                       11-SEP-1997;
14-AUG-1997;
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                                                                                                                                                                                                                                                                                                                                                                                                                                             Mycobacterium sp.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mycobacterium species protein sequence 50B
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    starts from
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The protein is used
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  purification.
Claim 8; fig. 3; 60pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New DNA encoding new androgen receptor and TR2 polypeptide(s) - able to bind DNA, and derived antibodies, useful for receptor assay and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            N-PSDB;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           24-MAR-1989; U01238.
30-MAR-1988; U5-176107.
(ARCH-) Arch Development Corp.
Liao S, Chang C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    region
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human androgen receptor DNA clone.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         161
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        65 QQQQQQQQQQETSPTQQQQQQHGEDGSPQAHRRGPTGYLVLDEEQQPSQP 114
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       EQQEPRLQYQCQRRCQEQQRQHGRGGGLMNPQRGGSGRYEEGEEKQSDNP
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DB; N91577.
                                                                                                                                                                                                                                                                                                                    Lim EM, Pelicic V, Portnoi D, Goguet de la Salmoniere
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; FR-011325.
; FR-010404.
T PASTEUR.
 16.3%;
llarity 36.1%;
Conservative
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185. .919
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36.0%;
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Pred. |
7; M
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8; M
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                  84;
No.
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immunisation; infection.
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3.59e+00;
3.59 24;
                    7.88e+00
                                    DB 1;
   16;
                                Length 388;
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9 RRGWRSRRCGRCRRAVGRRRRRWQWREERRRCQHRQR

δ.

145 KRDPQQREYEDCRRHCEQQEPRLQYQCQRRCQEQQR 180

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RESULT

ID TO RECORD TO RE
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Best Local Similarity
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Best Local
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30-MAY-1991.

19-OCT-1999; US-438775.

17-NOV-1989; US-438775.

(ARCH-) ARCH DEV CORP.

Liao S. Chang C;

WPI; 91-178048/24.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    02-JUL-1998.
22-DEC-1997; AU0874.
20-DEC-1996; AU-004275.
(RETR-) COOP RES CENT T
                                                                                                                                                                                                                                                                                                                                          domain. Homology comparisons with other known steroid receptors indicate that hAR is more closely related to glucocorticoid, mineralo-corticoid and progesterone receptors than to v-erb-A or receptors for oestrogen, vitamin D and thyroid hormones. Sequence 918 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Androgen receptor and TR2 DNA binding proteins - DNA sequences and antibodies for detection and quantification methods Claim 25; Fig 3; 79pp; English.

This sequence was deduced from a cDNA clone isolated by screening
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             commercially available human testis and prostate lambda gt11 cDNA libraries. The sequence is very similar to that of rat AR and in the DNA-binding domain it is identical to that of rAR DNA-binding
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Novel anti-microbial protein from e.g. Macadamia integrifolia useful for controlling microbial infestations of plants or mammaliclaim 1; Page 58-60; 96pp; English.

The sequence is that of an antimicrobial protein which can be used to control microbial infestations in plants and mammalian because
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Zea
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human androgen receptor.
har; DNA-binding protein; steroid hormone.
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R12223;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Bower NI, Goulter KC, Green WPI; 98-377279/32.
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WO9827805-A1.
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161
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                                                                                                            64 QQQQQQQQQETSPRQQQQQQGEDGSPQAHRRGPTGYLVLDEEQQPSQP 113
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                       EQQEPRLQYQCQRRCQEQQRQHGRGGDLMNPQRGGSGRYEEGEEKQSDNP 210
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       QCVRRCEDR-PWHQRPRCLEQCREEEREKRQERSRHEAD-DRSGEGSSEDEREQEKEK 94
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Similarity 27.6%;
16; Conservative
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AU-004275.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           556, .626
/label= DNA-binding domain
/note= "cysteine-rich"
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Green JL, Manners JM, Marcus JP;
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20; Misma
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11; M
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No. 1.16e+01
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                                                                                                                                                                                                                                                                                                                                                                                    DNA encoding androgen receptor protein - useful for transforming eukaryotic hosts for protein expression and subsequent antibody prodn. Disclosure; Fig. 4; 41pp; English.

Androgen receptor protein (AR) is used to produce mono- or poly-clonal antibodies. These are used for the detection and quantification of AR in the presence of endogenous androgen, as androgen will not interfere with binding. They may be used in assays to determine and quantify cellular distribution of AR in tumour tissue, and are esp. useful for evaluating
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P93109
                                                                                                                                                                                                                                                                              Sequence
                                                                                                                                                                                                                                                                                                                      prostate cancers to therapy.
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N-PSDB; N91772.
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14-APR-1988; US-182646.
(UYNC-) University of North Carolina.
French FS, Wilson EM, Joseph DR, Lubahn
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens. W08909791-A.
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Androgen receptor; acidic fibroblast growth factor; aFGF;
antisense; benign prostatic hyperplasia; prostate cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 97-202879/18.
N-PSDB; T63407.
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20-SEP-1996; U15081.
20-SEP-1995; US-004018.
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68 QQQQQQQQQQETSPRQQQQQQGEDGSPQAHRRGPTGYLVLDEEQQPSQP 117 :||: | | : | : | : | | : | | | | : |
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                                                                                                                                                                                                                                                                                  919 AA;
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Pred. No. 1.16e+01
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161 EQQEPRLQYQCQRRCQEQQRQHGRGGDLMNPQRGGSGRYEEGEEKQSDNP 210

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Best Local s
Matches 1
                                                                                                                                                                                                                                                                                                                                                                       14-AUG-1998; F01
11-SEP-1997; FR-
14-AUG-1997; FR-
(INSP) INST PAS
Cicquel B, Lim F
              Mycobacterial DNA vectors containing reporter constructs - for identifying coding or promoter sequences involved in infection-associated protein expression

Claim 32; Fig 19A; 309pp; French.

Sequences Y04742-Y05000 and Y07201-Y07204 represent secreted proteins from various Mycobacterium species microorganisms. The encoding nucleotide sequences can be used as primers and probes for methods for detecting and identifying mycobacteria, especially belonging to the M. tuberculosis complex. The encoded proteins can be used in vaccines for immunisation against a bacterial or viral infection.
                                                                                                                                                                                                                                                                                              Guigueno A;
WPI; 99-181045/15.
N-PSDB; X34113.
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Claim 32; Fig 190'; 309pp; French.
Sequences Y04742-Y05000 and Y07201-Y07204 represent secreted proteins from various Mycobacterium species microorganisms. The encoding nucleotide sequences can be used as primers and probes for methods for detecting and identifying mycobacteria, especially belonging to the M. tuberculosis complex. The encoded proteins can be used in vaccines for immunisation against a bacterial or viral infection.

Sequence 112 AA;
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Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mycobacterium species protein sequence 19A.
Secreted protein; Mycobacterium; primer; PC
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r04861 standard;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 N-PSDB; X34118
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Gicquel B, Lim EM, Pe
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14-AUG-1997;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NO9909186-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                06-JUL-1999 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 25-FEB-1999.
14-AUG-1998;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               h 15.4%;
Similarity 32.6%;
14; Conservative
for immunisation 126 AA;
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FR-011325.
FR-010404.
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FR-010404.
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                                                                                                                                                                                                                                                                                                                                                                         EM, Pelicic V, Portnoi D, Goguet de la
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Protein;
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Pred. No. 2.07e+01;
8; Mismatches 19
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Query Match

15.4%;

Score

79;

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1;

Length 126;

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Best Local Similarity 32.6%; Pred. No. 2.07e+01; Matches 14; Conservative 8; Mismatches 19; Indels 2; Gaps
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Search completed: Sat May 13 10:28:29 2000 Job time: 9 secs.

